APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/753,520	01/08/2004	Richard D. Dettinger	ROC920030279US1	9843

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EXAMINER
EBIRIM, EMEKA

ART UNIT	PAPER NUMBER
2166	

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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/753,520	DETTINGER ET AL.
	Examiner	**Art Unit**	
	Emeka Ebirim	2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>08 January 2004</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-22* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-22* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date *10/27/04*.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Claim Status

1.   Claims 1-22 are pending in this Office action.

The application has been examined. Claims 1-22 are rejected as detailed below and are

pending in this office action.

Claim Objections

2.   Claim 21 is objected to because of the following informalities:

Two claims have been numbered as claim 21.

For the purposes of this office action the examiner will presume the second claim 21 as

claim 22. Appropriate correction is required.

Claim Rejections - 35 USC § 101

3.   35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of
> matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the
> conditions and requirements of this title.

4.   To be statutory, a claimed computer-related process must either: (A) result in a

physical transformation outside the computer for which a practical application is either

disclosed in the specification or would have been known to a skilled artisan, or (B) be

limited to a practical application with useful, concrete and tangible result.

Claims 10 - 14 are rejected under 35 U.S.C. 101 because the claimed invention

is directed to non-statutory subject matter.

Claims 10 - 14 are not limited to tangible embodiments. In view of Applicants'

disclosure, specification page 7, paragraph 0028, the medium in not limited to tangible

embodiments, instead being defined as including both tangible embodiments (e.g., [CD-

ROM]) and intangible embodiments (e.g., [wireless communications]).

As such, the claim is not limited to statutory subject matter and is therefore non-

statutory.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claim 1-22 rejected under 35 U.S.C. 102(e) as being anticipated by Pub No

2003/0037069 to Davison (hereinafter Davison).

Claim 1.

Davison discloses:

A method for generating a transactional database statement based on an

existing database statement, comprising [pre-generated database queries, Para 0069]:

parsing the existing database statement to identify fields and corresponding field

attributes (the pre-generated query execution leads to result set comprising the rows

from various tables of the server database that corresponds to the parameters of the

query) [Para 0071];

utilizing one or more interfaces for receiving input regarding the transactional

statement (interface for update, insert) [Para 0096]; and

generating the transactional database statement based on the identified fields

and user input [database queries, Para 0068-0069].

Claim 2.

Davison discloses the elements of claim 1 as above and furthermore it discloses

wherein the transactional database statement is one of:

an insert statement, an update statement, and a delete statement [insert,

update, SQL, Para 0091, 0096].

Claim 3.

The method of claim 2, wherein generating the transactional database statement

based on the identified fields and user input comprises [Para 0063, 0077]:

generating a transactional statement with one or more of the identified fields

[generate query, Para 0069, 0077]; and

populating one or more of the fields with input received via the one or more

interfaces (interface to allow a table to be loaded (populate fields)) [Para 0096].

Claim 4.

Davison discloses the elements of claim 1 as above and furthermore it discloses

attaining metadata regarding one or more of the identified fields (information about data)

[Para 0062].

Claim 5.

Davison discloses the elements of claim 1 as above and furthermore it discloses

wherein utilizing the one or more interfaces comprises:

generating at least one graphical user interface for receiving input from a user,

wherein the graphical user interface allows the user to specify one or more records to

affect with the transactional statement [parameter screen, editor screen, Para 0092,

0095].

Claim 6.

Davison discloses the elements of claim 5 as above and furthermore it discloses

wherein utilizing the one or more interfaces further comprises:

issuing a query to retrieve data related to at least one record specified by the

user via the graphical user interface [Para 0088-0089]; and

displaying the data retrieved in the graphical user interface [returned results,

Para 0088-0089].

Claim 7.

Davison discloses the elements of claim 6 as above and furthermore it discloses wherein:

the transactional statement is an update statement [SQL, save, Para 0091] ;

the graphical user interface allows the user to make changes to at least a portion of the retrieved data [query editor screen, Para 0091]; and

submit the changes to the database via the transactional database statement [SQL, save, 0091].

Claim 8.

Davison discloses the elements of claim 7 as above and furthermore it discloses, wherein:

the graphical user interface allows the make changes data related to more than one record [Para 0091, 0095]; and

submit the changes to the database via the transactional database statement [Para 0091, 0095].

Claim 9.

Davison discloses the elements of claim 5 as above and furthermore it discloses providing the user access to the graphical user interface screen via a plug-in component to an application [stand alone package (plug-in), Para 0069] .

Claim 10.

Claim 10 is essentially the same as claim 1 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 11.

Claim 11 is essentially the same as claim 2 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 12.

Claim 12 is essentially the same as claim 3 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 13.

Claim 13 is essentially the same as claim 5 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 14.

Claim 14 is essentially the same as claim 6 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied

hereinabove.

Claim 15.

Davison discloses:

A data processing system comprising:

a database [Fig 10];

an existing query statement [pre-generated database queries, Para 0069];

a query interface allowing users to issue query statements against the database

[query editor, Para 0085]; and

a transaction manager configured to generate a transactional statement against

the database based on fields and corresponding field attributes of the existing query

statement [database queries, Para 0068-0069].

Claim 16.

Davison discloses the elements of claim 15 as above and furthermore it

discloses, wherein the transaction manager is configured to generate the transactional

statement against the database by:

parsing the existing database statement to identify the fields and corresponding

field attributes (the pre-generated query execution leads to result set comprising the

rows from various tables of the server database that corresponds to the parameters of

the query) [Para 0071];

generating one or more interfaces for receiving input regarding the transactional

statement (interface for update, insert) [Para 0096]; and

generating the transactional database statement based on the identified fields

and user input [database queries, Para 0068-0069].

Claim 17.

Davison discloses the elements of claim 15 as above and furthermore it

discloses, wherein the transaction manager is configured to attain, from the database,

metadata for use in generating the transactional statement (information about data)

[Para 0062].

Claim 18.

Davison discloses the elements of claim 15 as above and furthermore it

discloses one or more plug-in components allowing access to the one or more

interfaces from the query interface [stand alone package (plug-in), Para 0069].

Claim 19.

Davison discloses the elements of claim 18 as above and furthermore it

discloses wherein the one or more plug-in components provide access to an interface

for entering input to be used in an insert transactional statement [stand alone package

(plug-in), editor, Para 0069].

Claim 20.

Davison discloses the elements of claim 18 as above and furthermore it discloses, wherein the one or more plug-in components provide access to an interface for updating a record [update, Para 0096, 0101].

Claim 21.

Davison discloses the elements of claim 20 as above and furthermore it discloses, wherein the one or more plug-in components provide access to an interface for updating multiple records [update, Para 0096, 0101].

Claim 22.

Davison discloses the elements of claim 20 as above and furthermore it discloses, wherein the database is one of:

a relational database, an object-relational database, an XML database, and a relational database [database, XML data, relational database system, Para 0177, 0178].

Conclusion

5.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See the accompanying PTO-892 form.

Contact information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emeka Ebirim whose telephone number is 571-272-3994. The examiner can normally be reached on 8:30pm - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam, can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Emeka Ebirim
Examiner
Art Unit 2166

July 19, 2006

KHANH B. PHAM
PRIMARY EXAMINER